

Work Order ID 98853 -2

98853

Page 1

March-27-13 8:12:18 AM

Item ID: D212-580-043

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: LED Pulse Light

Start Date: 3/27/13

Start Qty: 2.00

2

Cust Item ID:

Required Date: 3/28/13

Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9596

A

IIN-D212-580-2

100

100

DC

Document Control

DOCUMENT CONTROL

Memo

Photocopy bluefile & type labels per PPPD212-580-043/ DSI 9538 CHG001

0.00

0.00

110

110

Packaging

Packaging

Pick Kit

Memo

0.00

0.00

21

13-04-03
13-4-8

Work Order ID 98853

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98853

Page 2

Item ID: D212-580-043

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: LED Pulse Light

Start Date: 3/27/13

Start Qty: 2.00

2

Cust Item ID:

Required Date: 3/28/13

Req'd Qty: 2.00

2

Customer:

Reference:

Run Start

NR1

Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop

NR2

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Quality Control

verified by 8
DAS 16
13/04/08

0.00

130

Pick Kit

0.00

130

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPPD212-580-043/ DSI 9538

Location:

PPP rev:

DAS 06
2-83

13/4/8 *SL*

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Quality Control

Memo

0.00

MJ 13-04-08

mf

13-4-8

Picklist Print

March-27-13 8:12:16 AM

Page 1

Work Order ID: 98853
Parent Item: D212-580-043
Parent Item Name: LED Pulse Light

Start Date: 3/27/13
Start Qty: 2.00

Required Date: 3/28/13
Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 10-05-11 JLM VERIFIED BY:DD IPP rev:B 10.10.12 AS PER ECN10-618 DD VERF:JLM IPP rev:C 10.11.22 AS PER ECN10-642 DD VERF:JLM IPP rev:D 10.12.16 AS PER ECN10-658 DD VERF:EC IPP rev:E 11.03.31 added D4377-1 DD VERF:EC IPP REV:F 12.02.24 as per DSI9596 rev a DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
EWLA1000DBDS0W LED Light		Purchased	No			110	Each	9.0000	2	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST523		9							
				122041		9				122041			
D4078-1 Clamp Half		Manufactured	No			110	Each	7.0000	2	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST092		7							
				85197		2							
				94431		5				2x 94431			
D4079-1 Clamp Half, Attachment		Manufactured	No			110	Each	15.0000	2	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST092		15							
				85198		1							
				94399		14				94399			
D4081-1 Bushing		Manufactured	No			110	Each	11.0000	2	4			
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST092		11							
				75670		1				75760			
				98835		10							

7

Section SC (12)

Section SC (12)

Section SC (12)

Section SC (12)

JB

JB

JB 13-04-03

75760

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Work Order ID: 98853

Parent Item: D212-580-043

Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

MS26574-3

Circuit Breaker

Purchased

No

110 Each 5.0000

1

2

70

8

Location

Loc Qty

Loc Code

ST305

5

121760

5

121760

MS22073-3

Circuit Breaker

Purchased

No

110 Each 4.0000

1

2

70

8

Location

Loc Qty

Loc Code

ST323

4

121760

4

121760

MS24524-21

Switch (On-Off-On)

Purchased

No

110 Each 15.0000

1

2

70

8

Location

Loc Qty

Loc Code

ST323

15

121976

15

121976

1210/2405-2A

Pulse Light Module

Purchased

No

110 Each 11.0000

1

2

70

8

Location

Loc Qty

Loc Code

ST520

11

121941

5

122462

6

121941

206486-2

Connector, Socket (J1000)

Purchased

No

110 Each 12.0000

1

2

70

8

Location

Loc Qty

Loc Code

ST394

12

120652

4

122005

8

120652

206485-1

Connector, Plug (J1000)

Purchased

No

110 Each 4.0000

1

2

70 1304-03

8

Location

Loc Qty

Loc Code

ST394

4

121817

4

121817

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Work Order ID: 98853

Parent Item: D212-580-043

Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

206458-1
Feed-thru, Receptacle (J2/J3)

Purchased No

110 Each 6.0000

1

2

79

Location

ST394

Loc Qty

6

Loc Code

122005

6

110 Each 8.0000

1

2

70

Location

ST394

Loc Qty

8

Loc Code

122010

8

110 Each 7.0000

1

2

70

Location

ST394

Loc Qty

7

Loc Code

125011

7

110 Each 30.0000

10

20

70

Location

ST393

Loc Qty

20

Loc Code

124976

20

ST511

10

121817

10

110 Each 45.0000

30

60

70

13-04-03

Location

ST393

Loc Qty

44

Loc Code

124976

44

ST511

1

121358

1

44x124976

1x121358

M39029/64-369
Contacts, Pins (1000)

Purchased No

110 Each 30.0000

10

20

70

Location

ST393

Loc Qty

20

Loc Code

124976

20

ST511

10

121817

10

110 Each 45.0000

30

60

70

13-04-03

Location

ST393

Loc Qty

44

Loc Code

124976

44

ST511

1

121358

1

44x124976

1x121358

M39029/63-368
Contacts, Sockets (P1000)

Purchased No

110 Each 45.0000

30

60

70

13-04-03

Location

ST393

Loc Qty

44

Loc Code

124976

44

ST511

1

121358

1

44x124976

1x121358

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Picklist Print

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Page 4

Work Order ID: 98853
 Parent Item: D212-580-043
 Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

1-206062-4
 Connector Backshell

Purchased No

110 Each 20.0000

4 8

Location

Loc Qty

Loc Code

ST393

20

122005

20

Purchased No

110 Each 583.0000

2 4

Location

Loc Qty

Loc Code

ST357

1

122416

1

ST515

182

124092

182

ST517

400

124858

400

Purchased No

110 Each 122.0000

4 8

Location

Loc Qty

Loc Code

ST351

122

123837

18

124221

4

124805

100

AN4-17A
 Bolt

AN3-7A
 Bolt

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Work Order ID: 98853
Parent Item: D212-580-043
Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

110

Each

3,222.0000

2

4

Nut

Location

Loc Qty

Loc Code

FP001

318

122452

306

8182

12

FP-001

12

8182

12

GA

34

121444

34

ST314

76

116548

4

119017

20

123248

36

123355

16

ST518

2782

124231

2782

MS21042L3

Purchased

No

110

Each

5,389.0000

7

14

Nut

Location

Loc Qty

Loc Code

FP001

3

122141

3

GA

155

122452

155

ST314

268

117885

32

119017

55

119075

138

123265

43

ST506

4963

123900

1064

124291

3899

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Picklist Print

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Work Order ID: 98853
Parent Item: D212-580-043
Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

NAS1149D0463J

Washer

Purchased No

110 Each 9,841.0000

4

8

Location

Loc Qty

Loc Code

FP001

31

122441

31

ST294

9810

124198

660

124778

9150

124778

NAS1149D0363J

Washer

Purchased No

110 Each 4,896.0000

8

16

Location

Loc Qty

Loc Code

FP001

1

123248

1

ST294

4895

122378

75

124392

4820

124392

AN525-832R10

Screw

Purchased No

110 Each 36.0000

4

8

Location

Loc Qty

Loc Code

ST345

36

119510

36

119510

MS21042L08

Nut

Purchased No

110 Each 3,894.0000

4

8

Location

Loc Qty

Loc Code

ST315

3894

122141

3

122452

9

122814

500

123900

3382

123900

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March-27-13 8:12:17 AM

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Work Order ID: 98853

Parent Item: D212-580-043

Parent Item Name: LED Pulse Light

Start Date: 3/27/13

Required Date: 3/28/13

Start Qty: 2.00

Required Qty: 2.00

NAS1149DN816J

Washer

Purchased No

110 Each 422.0000 8 16

Location

ST293

116712

122027

Loc Qty

422

79

343

Loc Code

122027

MS35206-217

Screw

Purchased No

110 Each 58.0000 4 8

Location

ST288

122151

Loc Qty

58

58

Loc Code

122151

MS21042L04

Nut

Purchased No

110 Each 26.0000 4 8

Location

ST314

124859

1582

Loc Qty

26

20

6

Loc Code

27 124859

27 1582

NAS1149DN432J

Washer

Purchased No

110 Each 158.0000 8 16

Location

ST293

121444

Loc Qty

158

158

Loc Code

121444

D4377-1

Placard

Manufactured No

110 Each 13.0000 1 2

Location

ST106

75671

ST107

95214

Loc Qty

3

3

10

10

Loc Code

75671

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Shop Packet Print

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*Reference
Sf*

7.0 PARTS LIST

Qty	Part Number	Description
X	D212-580-043	LED Pulse Light Kit
2	EWLA1000DBDS0W	LED Light
2	D4078-1	Clamp Half
2	D4079-1	Clamp Half, Attachment
2	D4081-1	Bushing
1	MS26574-3	Circuit Breaker
1	MS22073-3	Circuit Breaker
1	MS24524-21	Switch (On-Off-On)
1	1210/2405-2A	Pulse Light Module
1	206486-2	Connector, Socket (J1)
1	206485-1	Connector, Plug (P1)
1	206458-1	Feed-thru, Receptacle (J2/J3)
1	206460-1	Connector, Plug (P2)
1	205838-1	Connector, Plug (P3)
10	M39029/64-369	Contacts, Pins (J1)
30	M39029/63-368	Contacts, Sockets (P1/P2/P3)
4	1-206062-4	Connector Backshell
2	AN4-17A	Bolt
4	AN3-7A	Bolt
2	MS21042L4	Nut
7	MS21042L3	Nut
4	NAS1149D0463J	Washer
8	NAS1149D0363J	Washer
4	AN525-832R10	Screw
4	MS21042L08	Nut
8	NAS1149DN816J	Washer
4	MS35206-217	Screw
4	MS21042L04	Nut
8	NAS1149DN432J	Washer
1	D4377-1	Placard

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Revision: D
Date: 12.06.13

LIST OF MATERIALS				
ITEM	QTY	PART NUMBER	DESCRIPTION	SUPPLIER
1	2	EWLA1000DBDS0W	LED SPOT LIGHT, PAR 36	SOUNDOFF SIGNAL
2	1	1210/2405-2A	PULSEITE CONTROL UNIT	PRECISE FLIGHT
3	1	MS26574-3	CIRCUIT BREAKER, 3A	
4	1	MS22073-3	CIRCUIT BREAKER, 3A	
5	1	MS24524-21	SWITCH, DOUBLE POLE (ON-OFF-ON)	
6	1	206486-2	CONNECTOR, SOCKET (J1)	
7	1	206485-1	CONNECTOR, PLUG (P1)	
8	1	206458-1	FEED-THRU, RECEPTACLE (J2/J3)	
9	1	206460-1	CONNECTOR, PLUG (P2)	
10	1	205838-1	CONNECTOR, PLUG (P3)	
11	10	M39029/64-369	CONTACTS, PINS (J1)	
12	30	M39029/63-368	CONTACTS, SOCKETS (P1/P2/P3)	
13	4	1-206062-4	CONNECTOR BACKSHELL	

NEW WIRE / UNIT
EXISTING WIRE / UNIT

NOTES:

- ALL NEW UNSHIELDED WIRE USE M22759/41-XX-9 TYPE WIRE UNLESS OTHERWISE SPECIFIED (M22759/41-XX-X IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRAMP SPLICES FOR REPAIR).
- ALL NEW TWISTED SHIELDED CABLE USE M27506-XX-TGxT14 TYPE CABLE UNLESS OTHERWISE SPECIFIED.
- ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED.
- IDENTIFY/CODE ALL WIRES AND CABLES IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 3-2.
- KEEP ALL JUMPERS, LOGIC STRAP, POWER, CHASSIS AND SIGNAL GROUND WIRES AS SHORT AS POSSIBLE.
- ALL SPLICES MUST CONFORM TO MIL-S-81624, OR EQUIVALENT AND BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 4-10.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM PARAGRAPH 4-5.
- ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8.
- PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 5.
- ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/CONTACTS OR PLASTIC GROMMET SEALING PLUGS.
- ENSURE ALL INSTALLED EQUIPMENT IS LABELLED USING A BROTHER P-TOUCH LABEL MAKER OR EQUIVALENT MAKER WITH A FONT SIZE OF 10 PT. ENSURE LEGIBILITY.
- CONNECT JUMPER BETWEEN PINS 6 AND 7 OF P1000 FOR HIGH SPEED PULSING RATE (82 PPM) OR OPTIONALLY REMOVE JUMPER FOR NORMAL SPEED PULSING (48 PPM).
- FOR ALTERNATING PULSING CAP AND STOW THE ORANGE WIRE AND INSTALL THE VIOLET WIRE INTO PIN 9, AS DETAILED. OPTIONALLY FOR SIMULTANEOUS PULSING CAP AND STOW THE VIOLET WIRE AND INSTALL THE ORANGE WIRE INTO PIN 9.
- USE EITHER MS26574-3 OR MS22073-3, BUT NOT BOTH, DEPENDING ON THE CIRCUIT BREAKER CONFIGURATION PRESENT IN THE HELICOPTER.
- SPLICE TO 20 AWG JUMPERS AS REQUIRED. KEEP ALL JUMPERS UNDER 6 INCHES.

RELEASE
2012-09-05

B	ADDED NOTE 16, REVISED WIRE CODES AT ZONE B6 SHEET 2 AND 3, ITEM 10 PART NUMBER REVISED	DJR	12.06.13
A	NEW ISSUE	KB	10.07.20
REV.	DESCRIPTION	BY	DATE
DESIGN	KB		
DRAWN	KB		
CHECKED	KB		
MFG. APPR.	RD/L		
APPROVED	KB		
DE APPR.	KB		
DATE	12.06.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D212-580-901	REV. B
TITLE LED PULSE LIGHT KIT	SCALE NTS
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D212-580-2 Rev. C AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D212-580 REV. 4

REF CANADIAN STC: SH92-16

REF FAA STC: SH975NE

REF EASA STC: 10017077

REF BRAZIL STC: 2009S11-09

PURPOSE

THE PURPOSE OF THIS DART SERVICE INSTRUCTION IS TO CORRECT A PART NUMBER ERROR IN
INSTALLATION INSTRUCTIONS IIN-D212-580 REV. C AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
ICA-D212-580 REV. 4. LED LIGHT PART NUMBER EWLA1000DBDSOW SHOULD READ EWLA1000DBDSOW.

PARTS LIST CORRECTION

7.0 PARTS LIST (IIN-D212-580-2 REV. C)

Qty	Part Number	Description
X	D212-580-043	LED Pulse Light Kit

IS:

2	EWLA1000DBDSOW	LED Light
---	----------------	-----------

WAS:

2	EWLA1000DBDSOW	LED Light
---	----------------	-----------

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 12.02.16
CERT. NO.: SH92-16
ISSUE NO.: 4

A	NEW ISSUE	AP	12.02.16
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE LTD	
DRAWN	AP	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9596	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.		PARTS LIST CORRECTION	NTS
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